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IN THE CLAIMS:

Claim 1 (Currently Amended): A method of fabricating a fuel injector comprising:

- providing a clean room;
- fabricating a fuel group in the clean room, the fuel group including having a generally constant outer diameter between a seat and an armature;
- fabricating a power group exterior of the clean room;
- inserting the fuel group into the power group; and
- fixedly connecting the fuel group to the power group.

Claim 2 (Previously Presented): The method according to claim 6, further comprising, prior to inserting the fuel group into the power group, performing at least one fuel flow tests on the fuel group.

Claim 3 (Original): The method according to claim 2, wherein the at least one fuel flow tests are performed exterior of the clean room.

Claim 4 (Previously Presented): The method according to claim 6, wherein the inserting is performed exterior of the clean room.

Claim 5 (Original): The method according to claim 4, wherein the fixedly connecting is performed exterior of the clean room.

Claim 6 (Currently Amended): A method of fabricating a fuel injector comprising:

- providing a clean room;
- fabricating a fuel group in the clean room, the fuel group having a generally constant outer diameter between a seat and an armature, and prior to fabricating the fuel group, assembling a fuel tube assembly, the fuel tube assembly including an inlet tube and a non-magnetic shell;
- fabricating a power group exterior of the clean room;